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SOURCE Soviet newspapers as indicated.

MACHINE-TOOL PLANTS INTRODUCE NEW EQUIPMENT

LENINGRAD SHOWS BETTER TECHNOLOGY -- Leningradskaya Pravda, No 87, 14 Apr 49

Cooperation between scientists and designers at Plant imeni Sverdlov before the war resulted in production of a semiautomatic milling machine. Improvements in design of this machine have recently been made, and the plant has already produced a limited number of the improved model.

Similar cooperation has resulted in other technical improvements at this plant. An apparatus has been developed for automatic recording of power consumption and operation time of a machine tool. A so-called vibration damper has been developed, enabling more precise machining operations.

The Leningrad Automatic-Machine Plant continues technological progress in machine tool production. Last year, an experimental model of an automatic machine used for extended grinding operations was developed as well as a semi-automatic machine for the milling of screw type drills. This year the plant will work on a number of new automatic machines with greatly increased diameters of grinding, drilling and thread cutting. An anode-mechanical grinder for sharpening tools has already been developed this year, effecting not only improvement in the quality of tools, but also saving on scarce "Ekstra" carbonumundum wheels. With the help of scientists, the machine-tool workers have used better methods of tempering, have improved production of bimetal bushings, etc.

TESTS NEW PLANING MACHINE -- Moskovskiy Bol'shevik, No 106, 7 May 49

The Moscow Plant for Woodworking Machine Tools has tested a new type of four-sided SK-15 planing machine. It will be widely used in railroad-car building and furniture enterprises, as well as in plants manufacturing construction parts.

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VOROSHILOV PLANT DESIGNS TOOL -- Krasnoye Znamya, No 70, 25 Mar 49

P. I. Volk, engineer and chief of the technical section, Voroshilov Motor-Repair Plant, Primorskiy Kray, has designed a new machine tool for MIBs and repair plants. It simultaneously combines cylindrical grinding, surface grinding, and centerless grinding. A special device enables it to machine various types of parts and provides for easy transfer of the machine tool without preliminary resetting. The dimensions of the tool enable it to be installed on any bench and it is very simple to operate. Such factors make it adaptable for use in mobile workshops. Tests of the new tool have been favorable. In simplicity and dependability it considerably surpasses the grinders produced by the plant up to this time. The test model has been sent to the Main Administration of Repair Enterprises, Ministry of Agriculture. Serial production of the tool will begin after it has been approved.

NEW SCREW-CUTTING MACHINE DEVELOPED -- Moskovskiy Komsomolets, No 54, 1 May 49

The Moscow "Krasnyy Proletariy" Plant has developed a new high-speed universal screw-cutting machine designated type 1A-62.

Moskovskiy Bol'shevik, No 109, 11 May 49

The 1A-62 machine tool can cut metal at a speed of 800 - 900 meters per minute.

Vechernyaya Moskva, No 106, 5 May 49

The "Krasnyy Proletariy" Machine-Tool Building Plant celebrated 1 May with the production of the first models of a new high-speed lathe. The workers fulfilled their 4-month program before schedule and released 2.5 million rubles by increasing the turnover of working capital.

EXPANDS ASSEMBLY-LINE PRODUCTION -- Vechernyaya Moskva, No 111, 11 May 49

The Moscow "Frezer" Plant completed its 4-month plan ahead of schedule, lowered cost of production 12.6 percent, and increased the turnover of working capital by 28 days in comparison with 1948.

The introduction of assembly-line production has been largely responsible for these successes. A conveyor belt has been installed in the die shop, increasing production of dies by 22.5 percent. A plan has been worked out for a new assembly line in the tap shop which will produce tools with diameters of up to 25 millimeters. A plan is also being developed for two universal conveyor belts for use in the production of nonstandard size taps.

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